

H. H. H. H. H.
3-12-02



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/992,580
		Filing Date	November 16, 2001
		First Named Inventor	Salman Akram
		Art Unit	2815
		Examiner Name	
Sheet 1 of 2		Attorney Docket Number	MIO 0072 VA

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code 2 (if known)			
02		us- 4,996,587	02/26/1991	Hinrichsmeyer et al.	
		us- 5,898,224	04/27/1999	Akram, Salman	
		us- 5,994,166	11/30/1999	Akram et al.	
		us- 5,994,773	11/30/1999	Hirakawa, Tadashi	
		us- 6,005,778	12/21/1999	Spielberger et al.	
		us- 6,051,878	04/18/2000	Akram et al.	
		us- 6,081,023	06/27/2000	Murakami et al.	
		us- 6,087,717	07/11/2000	Ano et al.	
		us- 5,674,785	10/07/1997	Akram et al.	
		us- 5,973,403	10/26/1999	Wark, James M.	
		us- 6,262,488	07/17/2001	Masayuki et al.	
		us- 6,265,771	07/24/2001	Ference et al.	
		us- 2001/0015485	08/23/2001	Song et al.	
		us- 6,316,727	11/13/2001	Liu, Herman	
		us- 5,444,296	08/22/1995	Kaul et al.	
		us- 5,652,463	07/29/1997	Weber et al.	
		us- 5,808,878	09/15/1998	Saito et al.	
		us- 5,952,611	09/14/1999	Eng et al.	
02		us- 6,013,948	01/11/2000	Akram et al.	
		us- 6,020,629	02/01/2000	Farnworth et al.	

class subclass

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
026		WO 97/37374 A2	10/09/1997	Herrell, Dennis J.		

class subclass

Examiner Signature	Date Considered
<i>David H. Farnsworth</i>	3/22/04

*EXAMINER: If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	2	of	2
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Complete If Known

Application Number	09/992,580
Filing Date	November 16, 2001
First Named Inventor	Salman Akram
Group Art Unit	2815
Examiner Name	
Attorney Docket Number	MIO 0072 VA

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

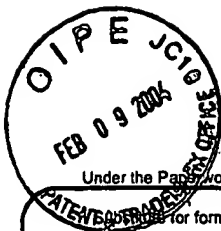
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Examiner Signature	<i>David A. Kucera</i>	Date Considered	3/22/04
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PTO/SB/08A (08-03)

Approved for use through 07/31/2008. OMB 0851-0031

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PATENT FORM 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 1

Complete if Known

Application Number	09/992,580
Filing Date	November 16, 2001
First Named Inventor	Salman Akram
Art Unit	2827
Examiner Name	James M. Mitchell
Attorney Docket Number	MIO 0072 VA/40509.175

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
[Signature]		US- 5,212,402	05/18/1993	Higgins, III	[Signature]
		US- 5,254,871	10/19/1993	Benavides et al.	
		US- 5,283,717	02/01/1994	Hundt	
		US- 5,463,253	10/31/1995	Waki et al.	
		US- 6,118,176	09/12/2000	Tao et al.	
		US- 6,236,109	05/22/2001	Hsuan et al.	
		US- 6,303,981	10/16/2001	Moden	
		US- 6,337,510	01/08/2002	Chun-Jen et al.	
		US- 6,338,336	05/14/2002	Venkateshwaran et al.	
		US- 6,646,334	11/11/2003	Hur	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
		Country Code ² Number ⁴ Kind Code ⁵ (if known)				
[Signature]		JP 61-147559	07/05/1986	Takegawa	[Signature]	

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Examiner Signature	[Signature]	Date Considered	3/22/14
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